

OIPE

RAW SEQUENCE LISTING

DATE: 08/08/2001

PATENT APPLICATION: US/09/919,298

TIME: 11:41:45

Input Set : A:\168508184.txt

Output Set: N:\CRF3\08082001\I919298.raw

ENTERED

4 <110> APPLICANT: Zahner, Joseph E.
 5 Sharda, Asutosh N.
 7 <120> TITLE OF INVENTION: In vitro derived adult pluripotent stem cells.
 9 <130> FILE REFERENCE: 16850-8184
 11 <140> CURRENT APPLICATION NUMBER: US/09/919,298
 12 <141> CURRENT FILING DATE: 2001-07-31
 14 <150> PRIOR APPLICATION NUMBER: US 60/254,551
 15 <151> PRIOR FILING DATE: 2000-12-12
 17 <160> NUMBER OF SEQ ID NOS: 11
 19 <170> SOFTWARE: Microsoft Word 97
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 408
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
 26 <400> SEQUENCE: 1

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28					5				10					15		
30	Pro	Thr	Val	Ser	Ser	Asp	Leu	Glu	Asn	Ile	Asp	Thr	Gly	Val	Asn	Ser
31				20				25					30			
33	Lys	Val	Lys	Ser	His	Val	Thr	Ile	Arg	Arg	Thr	Val	Leu	Glu	Glu	Ile
34			35				40					45				
36	Gly	Asn	Arg	Val	Thr	Thr	Arg	Ala	Ala	Gln	Val	Ala	Lys	Lys	Ala	Gln
37		50					55				60					
39	Asn	Thr	Lys	Val	Pro	Val	Gln	Pro	Thr	Lys	Thr	Asn	Val	Asn	Lys	
40	65				70				75					80		
42	Gln	Leu	Lys	Pro	Thr	Ala	Ser	Val	Lys	Pro	Val	Gln	Met	Glu	Lys	Leu
43				85					90				95			
45	Ala	Pro	Lys	Gly	Pro	Ser	Pro	Thr	Pro	Glu	Asp	Val	Ser	Met	Lys	Glu
46			100					105					110			
48	Glu	Asn	Leu	Cys	Gln	Ala	Phe	Ser	Asp	Ala	Leu	Leu	Cys	Lys	Ile	Glu
49			115					120					125			
51	Asp	Ile	Asp	Asn	Glu	Asp	Trp	Glu	Asn	Pro	Gln	Leu	Cys	Ser	Asp	Tyr
52		130					135					140				
54	Val	Lys	Asp	Ile	Tyr	Gln	Tyr	Leu	Arg	Gln	Leu	Glu	Val	Leu	Gln	Ser
55	145				150					155					160	
57	Ile	Asn	Pro	His	Phe	Leu	Asp	Gly	Arg	Asp	Ile	Asn	Gly	Arg	Met	Arg
58				165				170					175			
60	Ala	Ile	Leu	Val	Asp	Trp	Leu	Val	Gln	Val	His	Ser	Lys	Phe	Arg	Leu
61			180					185					190			
63	Leu	Gln	Glu	Thr	Leu	Tyr	Met	Cys	Val	Gly	Ile	Met	Asp	Arg	Phe	Leu
64			195					200					205			
66	Gln	Val	Gln	Pro	Val	Ser	Arg	Lys	Lys	Leu	Gln	Leu	Val	Gly	Ile	Thr
67		210					215					220				
69	Ala	Leu	Leu	Leu	Ala	Ser	Lys	Tyr	Glu	Glu	Met	Phe	Ser	Pro	Asn	Ile
70	225				230					235					240	
72	Glu	Asp	Phe	Val	Tyr	Ile	Thr	Asp	Asn	Ala	Tyr	Thr	Ser	Ser	Gln	Ile
73				245						250					255	

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75 Arg Glu Met Glu Thr Leu Ile Leu Lys Glu Leu Lys Phe Glu Leu Gly
76           260           265           270
78 Arg Pro Leu Pro Leu His Phe Leu Arg Arg Ala Ser Lys Ala Gly Glu
79           275           280           285
81 Val Asp Val Glu Gln His Thr Leu Ala Lys Tyr Leu Met Glu Leu Thr
82           290           295           300
84 Leu Ile Asp Tyr Asp Met Val His Tyr His Pro Ser Lys Val Ala Ala
85 305           310           315           320
87 Ala Ala Ser Cys Leu Ser Gln Lys Val Leu Gly Gln Gly Lys Trp Asn
88           325           330           335
90 Leu Lys Gln Gln Tyr Tyr Thr Gly Tyr Thr Glu Asn Glu Val Leu Glu
91           340           345           350
93 Val Met Gln His Met Ala Lys Asn Val Val Lys Val Asn Glu Asn Leu
94           355           360           365
96 Thr Lys Phe Ile Ala Ile Lys Asn Lys Tyr Ala Ser Ser Lys Leu Leu
97           370           375           380
99 Lys Ile Ser Met Ile Pro Gln Leu Asn Ser Lys Ala Val Lys Asp Leu
100 385           390           395           400
102 Ala Ser Pro Leu Ile Gly Arg Ser
103           405

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105 <210> SEQ ID NO: 2

106 <211> LENGTH: 24

107 <212> TYPE: DNA

108 <213> ORGANISM: Homo sapiens

110 <400> SEQUENCE: 2

111 ggggagccaa aagggtcatc atct 24

113 <210> SEQ ID NO: 3

114 <211> LENGTH: 24

115 <212> TYPE: DNA

116 <213> ORGANISM: Homo sapiens

118 <400> SEQUENCE: 3

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121 <210> SEQ ID NO: 4

122 <211> LENGTH: 24

123 <212> TYPE: DNA

124 <213> ORGANISM: Homo sapiens

126 <400> SEQUENCE: 4

127 cggaggtcat cgccagcatc atca 24

129 <210> SEQ ID NO: 5

130 <211> LENGTH: 24

131 <212> TYPE: DNA

132 <213> ORGANISM: Homo sapiens

134 <400> SEQUENCE: 5

135 gtcccgcgca atcccgcgca acag 24

137 <210> SEQ ID NO: 6

138 <211> LENGTH: 24

139 <212> TYPE: DNA

140 <213> ORGANISM: Homo sapiens

142 <400> SEQUENCE: 6

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Input Set : A:\168508184.txt

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146 <211> LENGTH: 25	
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148 <213> ORGANISM: Homo sapiens	
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153 <210> SEQ ID NO: 8	
154 <211> LENGTH: 25	
155 <212> TYPE: DNA	
156 <213> ORGANISM: Homo sapiens	
158 <400> SEQUENCE: 8	
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161 <210> SEQ ID NO: 9	
162 <211> LENGTH: 25	
163 <212> TYPE: DNA	
164 <213> ORGANISM: Homo sapiens	
166 <400> SEQUENCE: 9	
167 ccattgctga agaccttagt gatgc	25
169 <210> SEQ ID NO: 10	
170 <211> LENGTH: 20	
171 <212> TYPE: DNA	
172 <213> ORGANISM: Homo sapiens	
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177 <210> SEQ ID NO: 11	
178 <211> LENGTH: 20	
179 <212> TYPE: DNA	
180 <213> ORGANISM: Homo sapiens	
182 <400> SEQUENCE: 11	
183 cctgactgga aggtagatgg	20

VERIFICATION SUMMARY

DATE: 08/08/2001

PATENT APPLICATION: US/09/919,298

TIME: 11:41:46

Input Set : A:\168508184.txt

Output Set: N:\CRF3\08082001\I919298.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date